

Schedule XLV-Form No. 134

MMHSY - 4040 to Dujan Khap - 0.326 km under
Mohampur Block

Ag. No - 78/25-11-2020

Sherghat ;

DIVISION

Mohampur

SUB-DIVISION

Manish Singh.

MEASUREMENT BOOK

1234

Name of work -

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					<u>Ist On HCB all</u>
Name of work:-					2040 to
Duxian Khap					
Name of Agency -					Manish Singh
at Amar Thana					Multisid Baroi
Gate					
Agreement No -					78 SBD-2020-21
Date of W/O:-					25/11/20
Date of completion:-					24/8/20
Date of measurement:-					29/12/20

1. Construction of Bench

$$\text{mark:- } 13 \times 25 \text{ m} = 325$$

$$1 \times 2 \text{ m} = 2 \text{ m}$$

$$326 \text{ m}$$

$$\text{or } 0.326 \text{ km}$$

2. Construction of reference

Cepollars and busies

Quantity same as item

① Page - ①,

$$0.326 \text{ km}$$

3. clearing and grubbing

Road Land.

$$12 \times 25 \text{ m} \times 7 \text{ m} = 2100 \text{ m}^2$$

$$1 \times 26 \times 7 \text{ m} = 182 \text{ m}^2$$

$$2282 \text{ m}^2$$

$$\text{or } 0.2282 \text{ Hectare}$$

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3. Construction of embankment with material obtained from borrow pits with different leads and different soil as per spec.					
chainage	Area	Mean Area	Length	Volume	
in m	in m ²	in m ²	in m	in m ³	
0m	7.0 8.2				
100m	6.5	6.75	100	675	
200m	6.8	6.65	100	665	
300m	5.0	5.90	100	590	
326m	3.3	3.15	26	81.90	
				2011.90m ³	

Less for const. -					
G3- 326 x 3.75 x 0.075					91.69m ³
G5B- 326 x 4.05 x 0.20					264.06m ³
					1747.84m ³
					1656.15m ³

4. Construction of Sub grade and earthen shoulder 66.42.1.

E/W of item no. ③ Page ②

$$\text{or, } 66.42.1 \times 1656.15 = 1100.01 \text{ m}^3$$

5. Construction of embankment with approved material with lead - 100m, 27.06.1.

E/W of item no. ③ Page

$$②, \text{ or, } 27.06.1 \times 1656.15 = 448.15 \text{ m}^3$$

6. Construction of

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Embankment with Material obtained from Borrow Pits with lead — 1000m, 6.52.1.					
E/W of item no-13, Refe (2), or, $6.52 \times 1656.15 = 107.98 \text{ m}^3$					
6. Construction of granular sub-base by providing Well graded material as per spec.					
$8 \times 25 \text{ m} \times 4.05 \times 0.23 = 186.3 \text{ m}^3$					
$2 \times 25 \text{ m} \times 4.05 \times 0.20 = 40.50 \text{ m}^3$					
$2 \times 25 \text{ m} \times 4.05 \times 0.23 = 46.58 \text{ m}^3$					
$1 \times 26 \text{ m} \times 4.05 \times 0.20 = 21.06 \text{ m}^3$					
Add for Junction and Ramps — 48.33					
Total — 342.77 m ³					
<u>C.D. work</u>					
7. Earth work in excavation of form of structure.					
E/W — $2 \times 6.30 \times 1.4 \times 1.50 = 26.46 \text{ m}^3$					
Pipe portion — $1 \times 5.9 \times 1.5 \times 0.30 = 2.66 \text{ m}^3$					
29.12 m ³					
8. Provision of plain concrete in open form as per spec.					
Face wall above bedding course — $2 \times 6.30 \times 1.4 \times 0.15 = 2.65 \text{ m}^3$					
9. Provision of plain concrete in open form as per spec.					
PCC — Grade — M20.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
F/W:-	2	6	1.025	1.35	= 16.61 m ²
Below Pipe:-	1	5.9	1.5	0.25	= 2.21 m ²
					18.82 m ²

4. Providing plain concrete
in substructure PCC grade
M-20.

F/W:-	2	6	0.533	1.8	= 11.52 m ²
	2	6	0.4	0.60	= 2.88 m ²
Deduct pipe portion:-	2	2.2	1.2	0.6	= 3.6 m ²
					13.04 m ²

5. Providing and laying
cement concrete hume
pipe on bedding of

well compacted sand.					
	3	2.5	m		= 7.50 m ²

6. Filling in form of
trenches as per drawing
and technical spc.

F/W:-	2	6	0.4	0.5	= 4.86 m ²
	1	6.30	1.5	0.9	= 8.51 m ²
deduct pipe portion:-	1	6.30	0.9		= 5.73 m ²
					7.64 m ²

7. Providing and laying spreading
stone metal grade - III
in road as per spc.

	4	2.5	3.75	0.075	= 28.13 m ²
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Chd
29/12/20
J.E

Self

29.12.20
A.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material Statement					
1. F/W:-	1656.15	m ³			
2. chips:-	345.0	m ³			
3. Sand:-	154.80	m ³			
4. Grade-III:-	34.03	m ³			
<u>AD</u>					<u>Self</u>
29/12/20					29.12.20
J.E.					AE

ABSTRACT OF COST

1(a) Construction of Bench Mark Quantity vide Page (1), 0.326 km.

@ Rs. 5036.11/km Rs. 1642 = -

(ii) Reference Pillars/Burpees Quantity vide Page- (1), 0.326 km.

@ Rs. 3527.44/km Rs. 1150 = -

2. clearing and grubbing Road land Quantity vide Page- (1), 0.2282 Hecare

@ Rs. 51161.75/Hecare Rs. 11675 = -
Rs. 14,467 = -

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				PS/FRS	14,4672
3. Construction of Sub grade and earthen shoulder quantity					
side R/S - (2), 1100.01 m ³					
@ RS - 183.51/m ³					RS. 201863=
4. Construction of Sub embankment with Material obtained from Borrow Pits with Lead - 100m Quantity					
side R/S - (2), 448.15 m ³					
limited - 448.15 m ³					
@ RS. 139.79/m ³					RS. 62,642=
5. Construction of embankment with approved Material with Lead - 1000m. Quantity					
side R/S - (2), 107.98 m ³					
@ RS. 175.22/m ³					RS. 18920=
6. Construction of granular Sub-base by primary Well graded material					
Quantity side R/S - (2)					
342.77 m ³					
@ RS. 1991.63/m ³					RS. 682,671=
CD work					
7. E/W on excavation					
form of structure					
					CO. RS. 9,80,563

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
As per spec					Rs. 9,80,563=
Quantity vide Rate - (3), 29.12 m					
@ Rs. 294.73/m ³					Rs. 8583=0
8. Providing Plain concrete on open form of Quantity					
Vide Rate - (3), 2.65 m ³					
@ Rs. 4534.22/m ³					Rs. 12015=0
9. Providing Plain concrete on open form of Quantity					
Vide Rate - (4)					
18.82 m ³ @ Rs. 4770.96/m ³					Rs. 89789=
10. Plain cement concrete in substructure Quantity					
Vide Rate - (4), 13.04 m ³					
@ Rs. 5197.74/m ³					Rs. 67,779=0
11. Providing and laying cement concrete frame					
Refr. Quantity vide Rate - (4), 7.50 m ³ @ Rs. 4070.02/m ³					Rs. 30525=
12. Filling in form trenches as per spec					
Quantity vide Rate - (4), 7.64 m ³ @ Rs. 478.11/m ³					Rs. 3653=0
13. Providing layer spreading and Compacting Stone metal grade - 14 Quantity					
Vide Rate - (4), 28.13 m ³					
@ Rs.					11,92,908=

